PDF2000-11B2F350

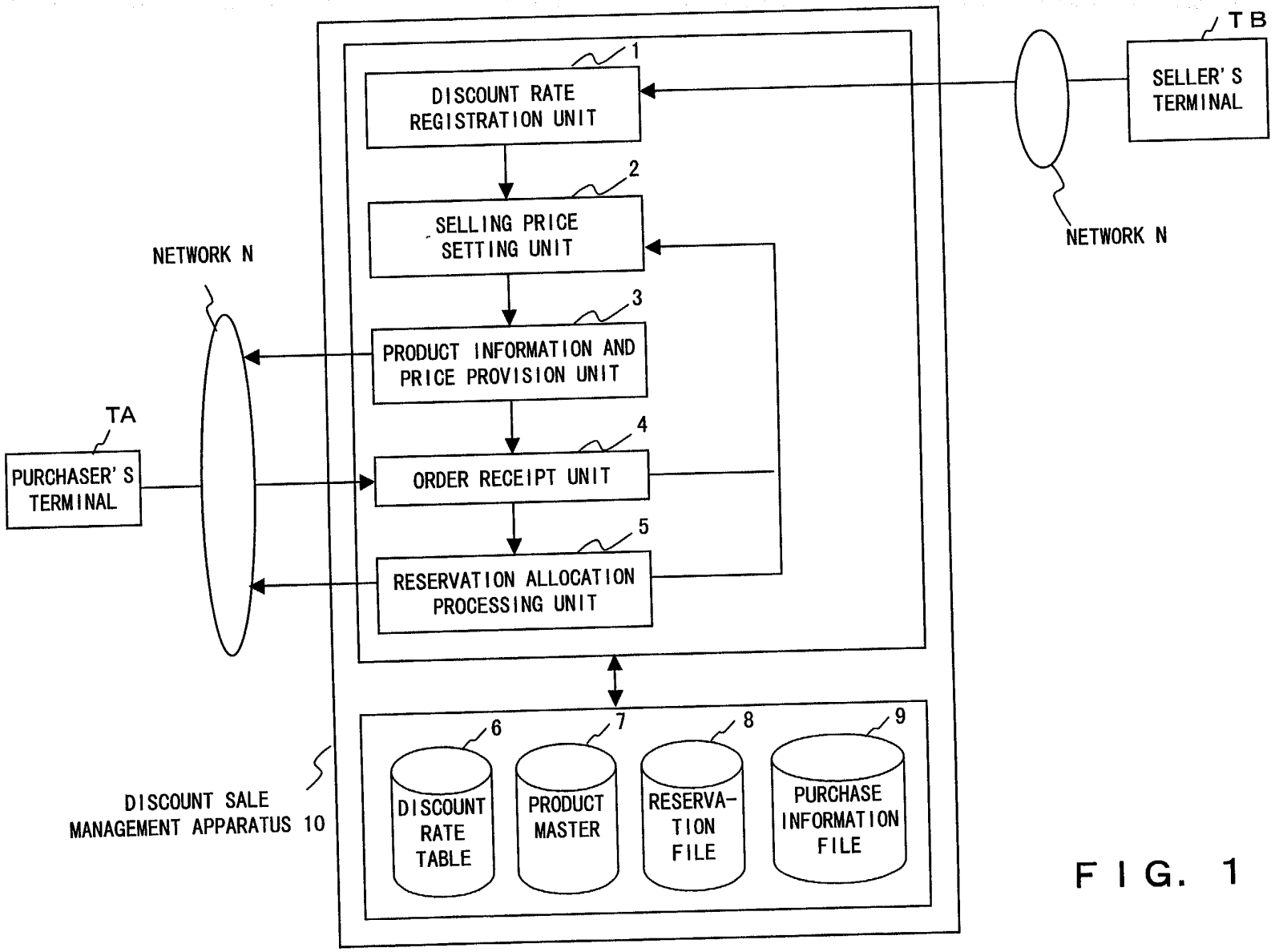


FIG. 1

DISCOUNT RATE TABLE 6

NO.	DATA NAME	ATTRIBUTE	LENGTH	VALUE
1	PRODUCT CODE	Num	8	00000001
2	ORIGINAL PRICE	Num	7	5000
3	DISCOUNT RATE PRICE	OCCURS		
3-1	DISCOUNT RATE 1	Num	3	50
3-2	DATE 1	Date	8	20000901
	DATE 2	Date	8	20000902
	DATE 3	Date	8	20000903
	DATE 4	Date	8	20000904
	DATE 5	Date	8	20000905
	DATE 6	Date	8	20000906
	DATE 7	Date	8	20000907
3-3	DISCOUNT PRICE 1	Num	7	2500
	DISCOUNT PRICE 2	Num	7	2250
	DISCOUNT PRICE 3	Num	7	2000
	DISCOUNT PRICE 4	Num	7	1750
	DISCOUNT PRICE 5	Num	7	1500
	DISCOUNT PRICE 6	Num	7	1250
	DISCOUNT PRICE 7	Num	7	1000
4	BOTTOM PRICE	Num	7	1000
5	DISCOUNT QUANTITY	Num	4	50
6	SALES QUANTITY	Num	4	2
7	DISCOUNT SALE START DATE	Date	8	20000901

FIG. 2

PRODUCT MASTER 7

NO.	DATA NAME	ATTRIBUTE	LENGTH	EXAMPLE
1	PRODUCT CODE	Num	8	00000001
2	PRODUCT NAME	Cha	30	CLIP ART
:	:			
3	SELLING PRICE	Num	7	5000
:	:			

FIG. 3

RESERVATION FILE 8

NO.	DATA NAME	ATTRIBUTE	LENGTH	VALUE
1	PRODUCT CODE	Num	8	00000001
2	NAME	Cha	20	HANAKO AOMORI
3	ZIP CODE	Num	7	0300000
4	ADDRESS	Cha	60	AOMORI-SHI, AOMORI PREFECTURE
5	PHONE NUMBER	Num	15	017-777-7777
6	e-mail ADDRESS	Cha	30	a_hanako@infoXXXXX.me.jp
7	SEX	Num	1	2
8	AGE	Num	3	20
9	OCCUPATION	Cha	20	STUDENT
10	PAYMENT METHOD	Num	1	3
11	RESERVATION DATE	Date	8	20000820
12	RESERVED SELLING PRICE	Num	7	2000
13	RESERVATION SUCCESS /FAILURE	Num	1	0

FIG. 4

PURCHASE INFORMATION FILE 9

NO.	DATA NAME	ATTRIBUTE	LENGTH	VALUE
1	PRODUCT CODE	Num	8	00000001
2	NAME	Cha	20	HANAKO AOMORI
3	ZIP CODE	Num	7	0300000
4	ADDRESS	Cha	60	AOMORI-SHI, AOMORI PREFECTURE
5	PHONE NUMBER	Num	15	017-777-7777
6	e-mail ADDRESS	Cha	30	a_hanako@infoXXXXX.me.jp
7	SEX	Num	1	2
8	AGE	Num	3	20
9	OCCUPATION	Cha	20	STUDENT
10	PAYMENT METHOD	Num	1	3
11	PURCHASE DATE	Date	8	20000820
12	SELLING PRICE	Num	7	2000
13	PAYMENT DATE	Date	8	20000910
14	MONEY RECEIPT DATE	Date	8	00000000
15	RECEIPT AMOUNTS	Num	7	0
16	MONEY RECEIPT FLAG	Num	1	0

FIG. 5

JP2000-163500

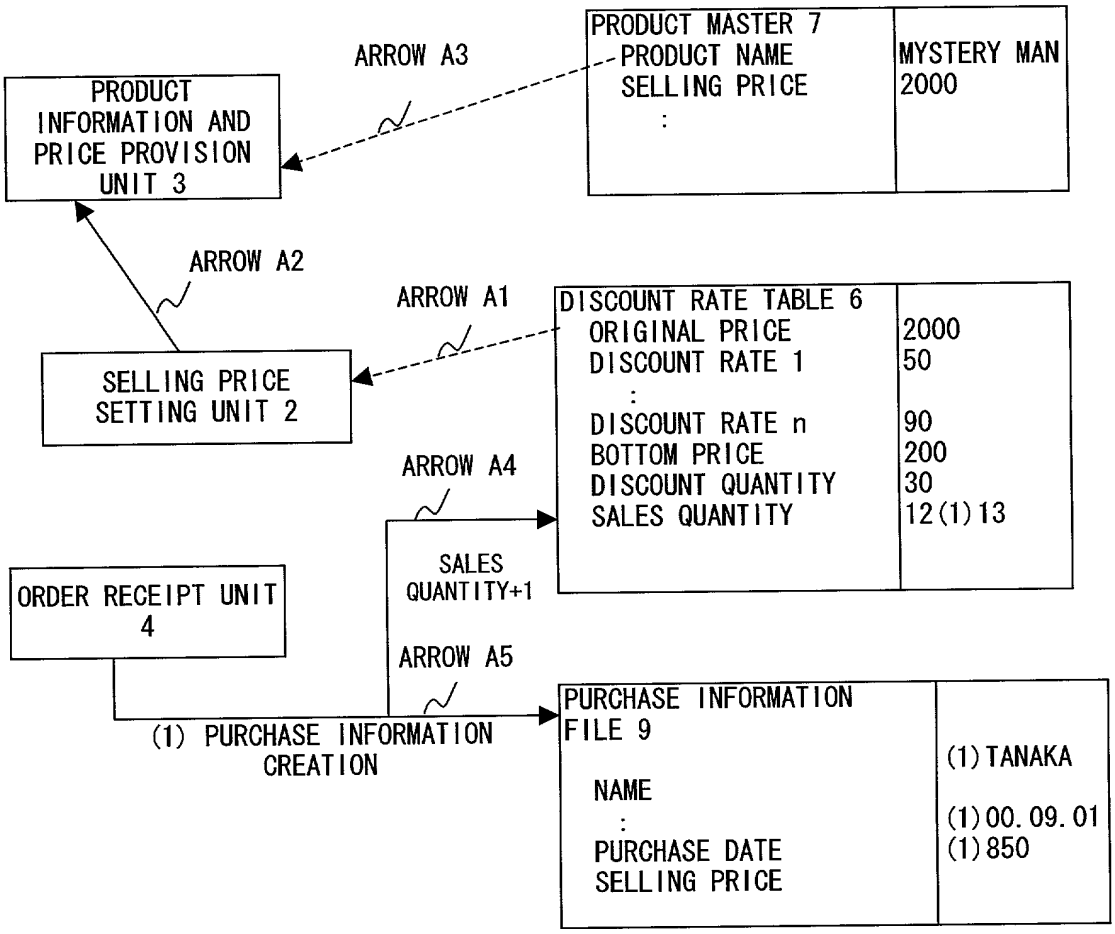


FIG. 6

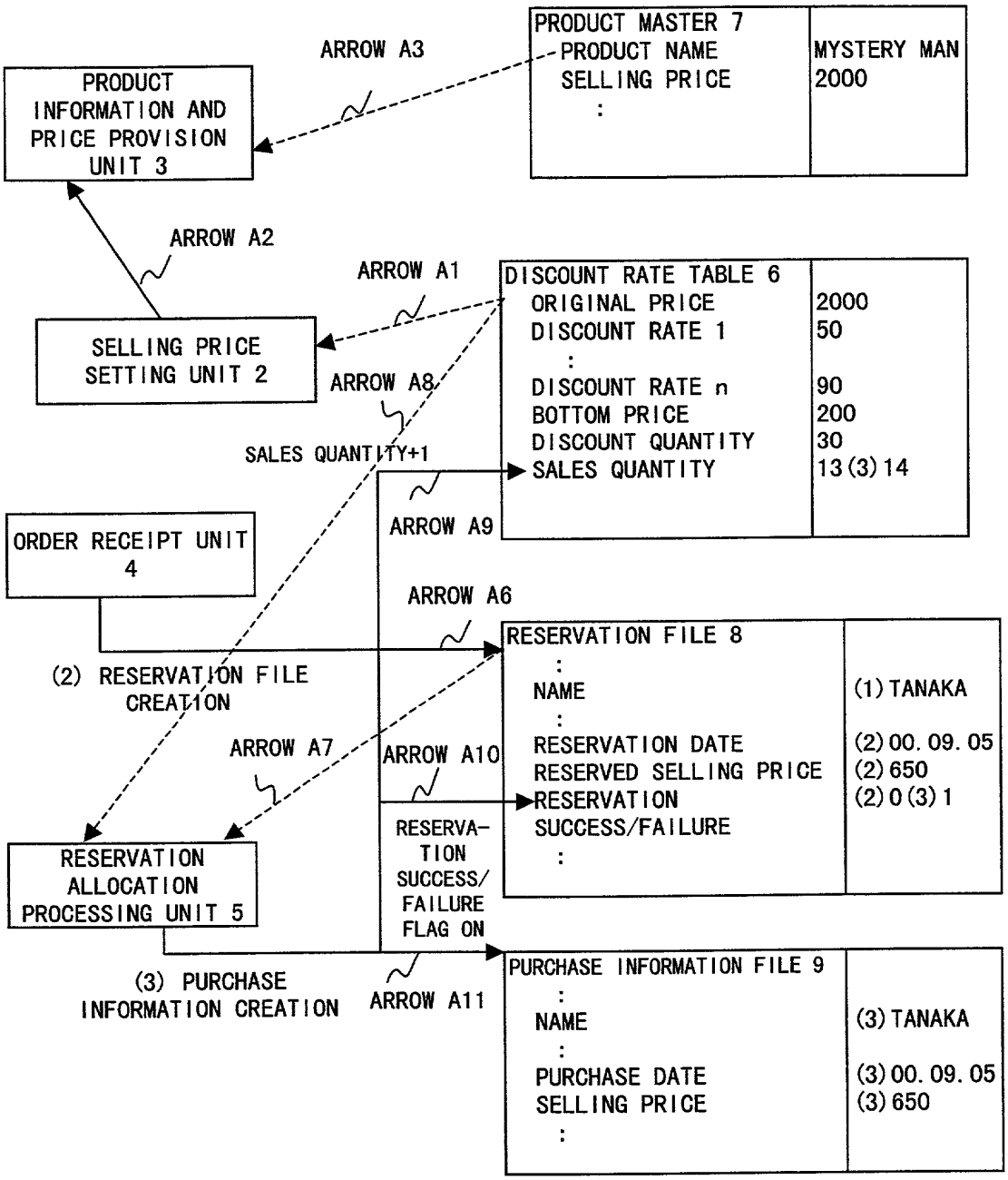

PRODUCT MASTER 7
PRODUCT NAME
SELLING PRICE
:
MYSTERY MAN
2000
ARROW A3
PRODUCT INFORMATION AND PRICE PROVISION UNIT 3
ARROW A2
ARROW A1
DISCOUNT RATE TABLE 6
ORIGINAL PRICE
DISCOUNT RATE 1
:
DISCOUNT RATE n
BOTTOM PRICE
DISCOUNT QUANTITY
SALES QUANTITY
2000
50
90
200
30
13(3)14
SELLING PRICE SETTING UNIT 2
ARROW A8
SALES QUANTITY+1
ARROW A9
ORDER RECEIPT UNIT 4
ARROW A6
RESERVATION FILE 8
:
NAME
:
RESERVATION DATE
RESERVED SELLING PRICE
RESERVATION SUCCESS/FAILURE
:
(1)TANAKA
(2)00.09.05
(2)650
(2)0(3)1
(2) RESERVATION FILE CREATION
ARROW A7
ARROW A10
RESERVATION SUCCESS/FAILURE FLAG ON
RESERVATION ALLOCATION PROCESSING UNIT 5
(3) PURCHASE INFORMATION CREATION
ARROW A11
PURCHASE INFORMATION FILE 9
:
NAME
:
PURCHASE DATE
SELLING PRICE
:
(3)TANAKA
(3)00.09.05
(3)650

FIG. 7

EP 1 826 718 A1

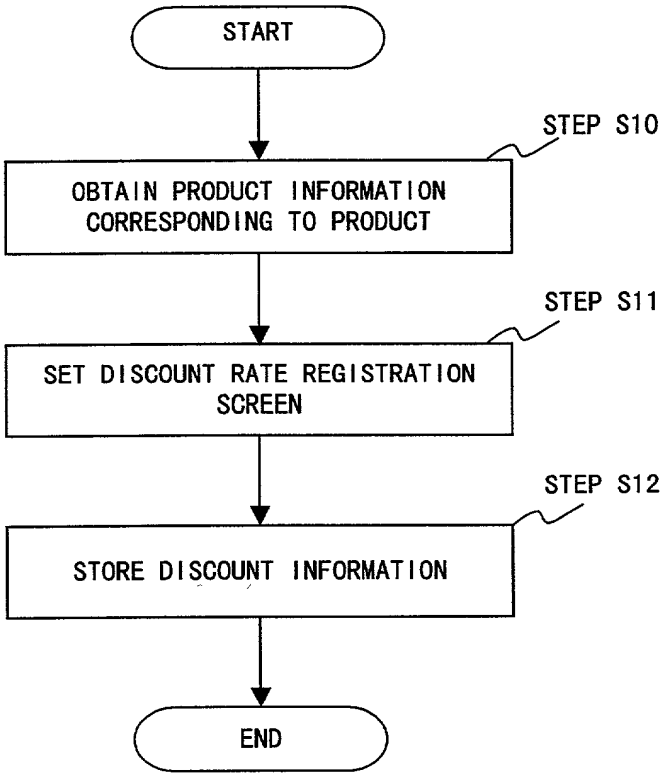
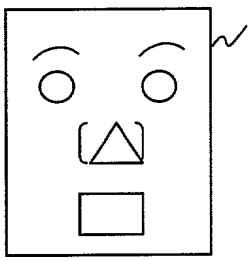


FIG. 8



WORK PROFILE	
TITLE	COMMON MAN (ILLUSTRATION)
AUTHOR	MICHIKO FUJI

SALE START DATE	SEPTEMBER 1, 2000	ORIGINAL PRICE	5000 YEN	BOTTOM PRICE	1000 YEN
DISCOUNT RATE	50 %	REDUCTION RATE	5%	SETTING INTERVAL	ONE DAY	DISCOUNT QUANTITY	50

DISCOUNT PRICE TRANSITION TABLE

DATE	DISCOUNT RATE	DISCOUNT AMOUNT	SELLING PRICE
SEPTEMBER 1	50%	2,500 YEN	2,500 YEN
SEPTEMBER 2	55%	2,750 YEN	2,250 YEN
SEPTEMBER 3	60%	3,000 YEN	2,000 YEN
SEPTEMBER 4	65%	3,250 YEN	1,750 YEN
SEPTEMBER 5	70%	3,500 YEN	1,500 YEN
SEPTEMBER 6	75%	3,750 YEN	1,250 YEN
SEPTEMBER 7	80%	4,000 YEN	1,000 YEN

FIG. 9

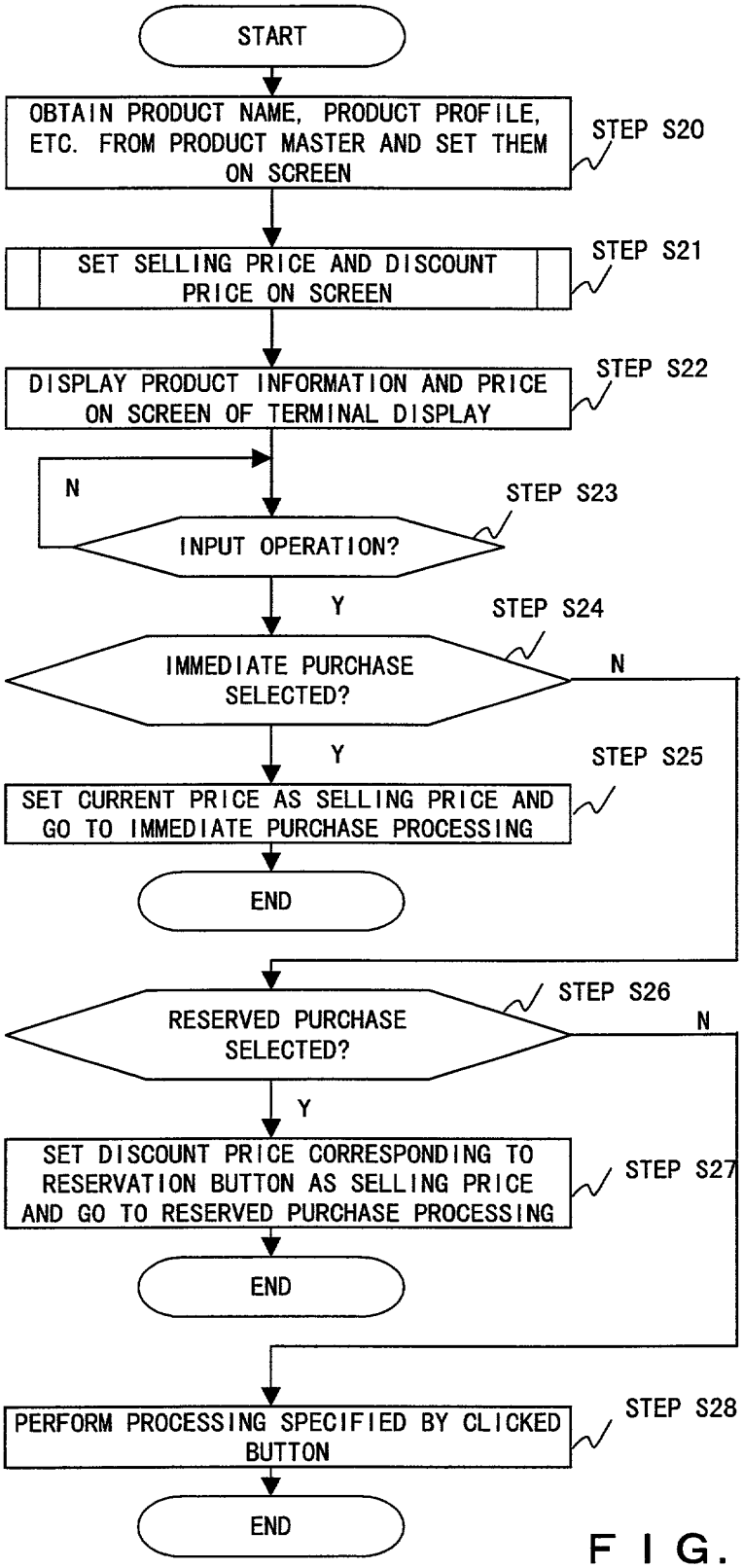
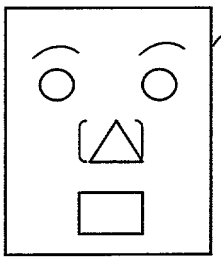

START
OBTAIN PRODUCT NAME, PRODUCT PROFILE, ETC. FROM PRODUCT MASTER AND SET THEM ON SCREEN
STEP S20
SET SELLING PRICE AND DISCOUNT PRICE ON SCREEN
STEP S21
DISPLAY PRODUCT INFORMATION AND PRICE ON SCREEN OF TERMINAL DISPLAY
STEP S22
N
INPUT OPERATION?
STEP S23
Y
IMMEDIATE PURCHASE SELECTED?
STEP S24
N
Y
SET CURRENT PRICE AS SELLING PRICE AND GO TO IMMEDIATE PURCHASE PROCESSING
STEP S25
END
RESERVED PURCHASE SELECTED?
STEP S26
N
Y
SET DISCOUNT PRICE CORRESPONDING TO RESERVATION BUTTON AS SELLING PRICE AND GO TO RESERVED PURCHASE PROCESSING
STEP S27
END
PERFORM PROCESSING SPECIFIED BY CLICKED BUTTON
STEP S28
END

FIG. 10

CURRENT DATE

2000/9/3



WORK

DISCOUNT PRICE TRANSITION TABLE

WORK PROFILE	
TITLE	COMMON MAN (ILLUSTRATION)
AUTHOR	MICHIKO FUJI
DISCOUNT SALE START DATE	SEPTEMBER 1
CURRENT PRICE	2000 YEN

ORIGINAL PRICE	5,000
SEPTEMBER 1	2,500
SEPTEMBER 2	2,250
SEPTEMBER 3	2,000
SEPTEMBER 4	1,750
SEPTEMBER 5	1,500
SEPTEMBER 6	1,250
SEPTEMBER 7 AND LATER	1,000
DISCOUNT SALES QUANTITY	50

RESERVE

RESERVE

RESERVE

RESERVE

PURCHASE

AFTER THE DISCOUNT SALES QUANTITY IS EXCEEDED, THE ORIGINAL PRICE IS USED

FIG. 11

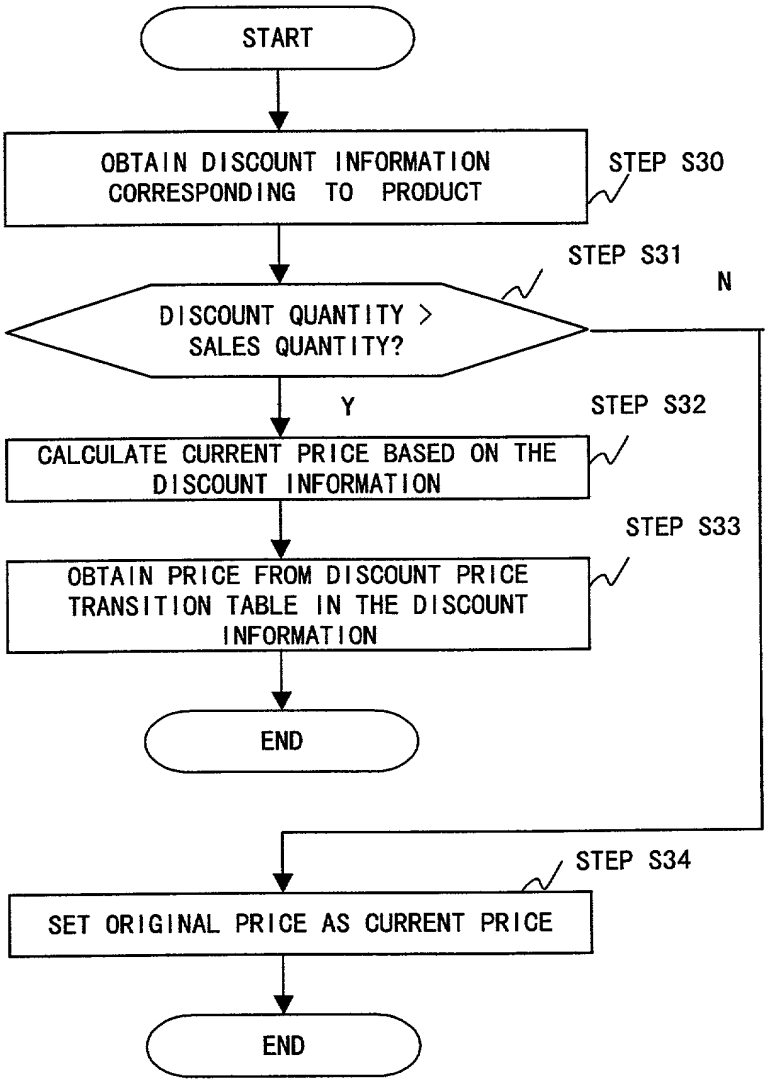

START
OBTAIN DISCOUNT INFORMATION CORRESPONDING TO PRODUCT
STEP S30
STEP S31
DISCOUNT QUANTITY > SALES QUANTITY?
N
Y
STEP S32
CALCULATE CURRENT PRICE BASED ON THE DISCOUNT INFORMATION
STEP S33
OBTAIN PRICE FROM DISCOUNT PRICE TRANSITION TABLE IN THE DISCOUNT INFORMATION
END
STEP S34
SET ORIGINAL PRICE AS CURRENT PRICE
END

FIG. 12

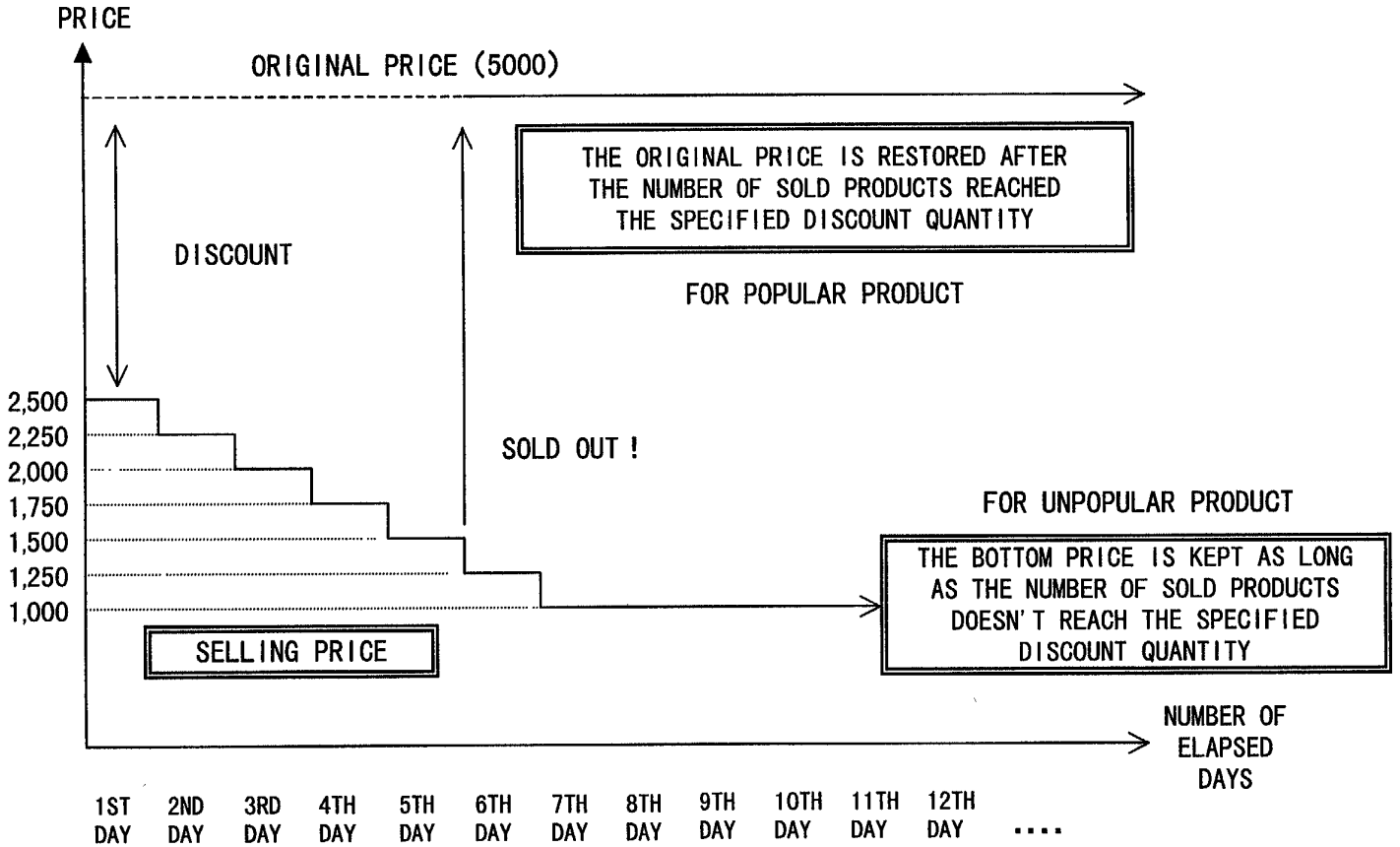

PRICE
ORIGINAL PRICE (5000)
DISCOUNT
THE ORIGINAL PRICE IS RESTORED AFTER THE NUMBER OF SOLD PRODUCTS REACHED THE SPECIFIED DISCOUNT QUANTITY
FOR POPULAR PRODUCT
SOLD OUT !
FOR UNPOPULAR PRODUCT
THE BOTTOM PRICE IS KEPT AS LONG AS THE NUMBER OF SOLD PRODUCTS DOESN'T REACH THE SPECIFIED DISCOUNT QUANTITY
2,500
2,250
2,000
1,750
1,500
1,250
1,000
SELLING PRICE
NUMBER OF ELAPSED DAYS
1ST DAY
2ND DAY
3RD DAY
4TH DAY
5TH DAY
6TH DAY
7TH DAY
8TH DAY
9TH DAY
10TH DAY
11TH DAY
12TH DAY
....

FIG. 13

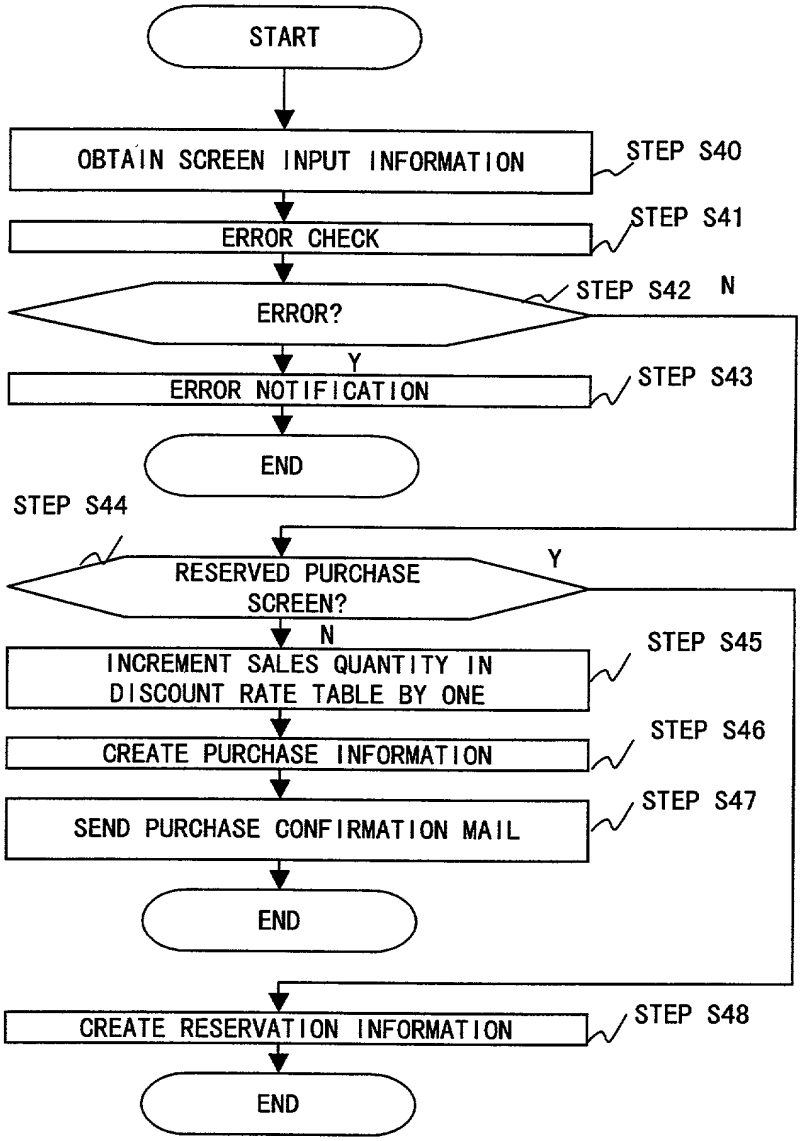

START
OBTAIN SCREEN INPUT INFORMATION
STEP S40
ERROR CHECK
STEP S41
ERROR?
STEP S42
N
Y
ERROR NOTIFICATION
STEP S43
END
STEP S44
RESERVED PURCHASE SCREEN?
Y
N
INCREMENT SALES QUANTITY IN DISCOUNT RATE TABLE BY ONE
STEP S45
CREATE PURCHASE INFORMATION
STEP S46
SEND PURCHASE CONFIRMATION MAIL
STEP S47
END
CREATE RESERVATION INFORMATION
STEP S48
END

FIG. 14

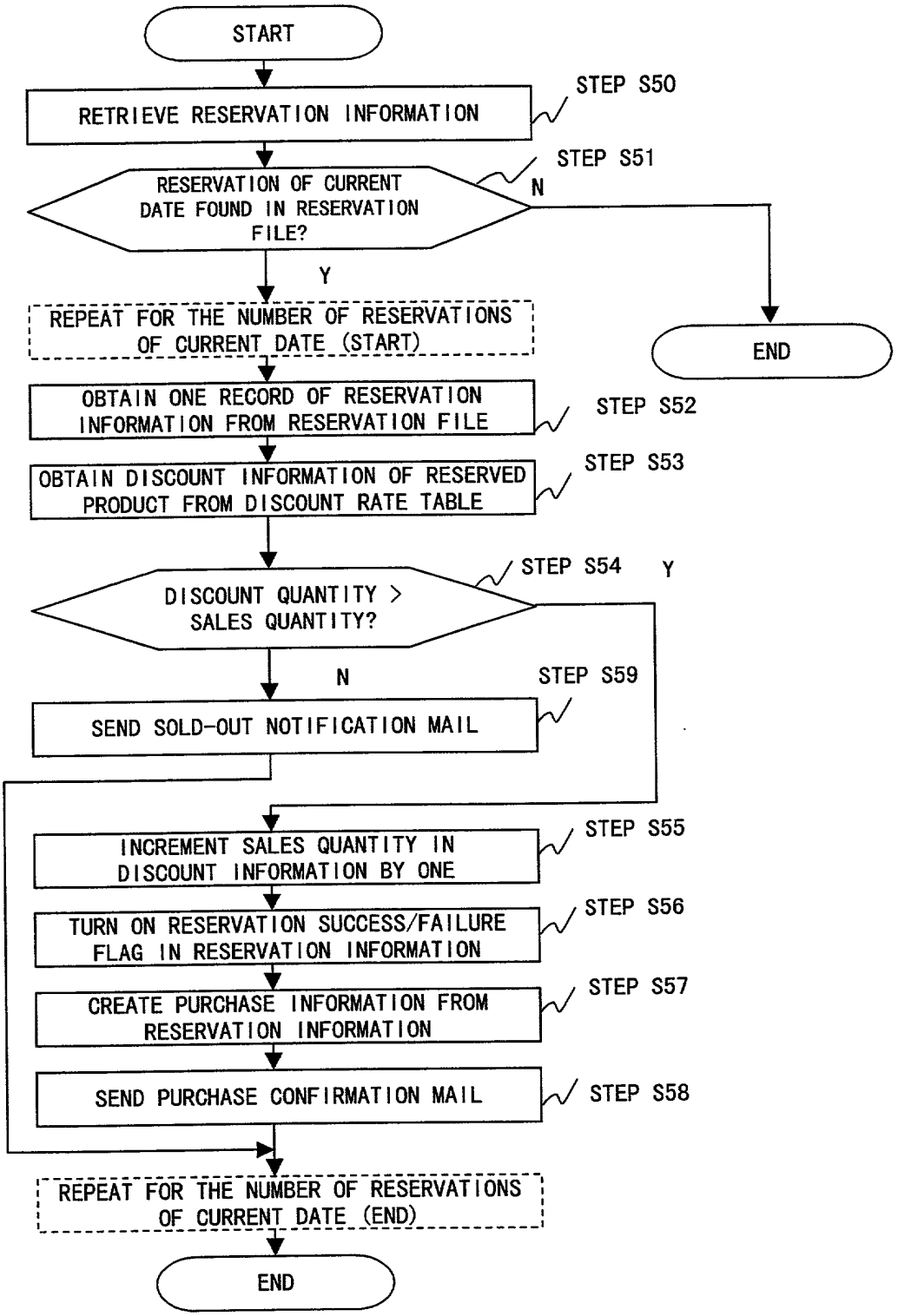

START
RETRIEVE RESERVATION INFORMATION
STEP S50
RESERVATION OF CURRENT DATE FOUND IN RESERVATION FILE?
STEP S51
N
Y
END
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (START)
OBTAIN ONE RECORD OF RESERVATION INFORMATION FROM RESERVATION FILE
STEP S52
OBTAIN DISCOUNT INFORMATION OF RESERVED PRODUCT FROM DISCOUNT RATE TABLE
STEP S53
DISCOUNT QUANTITY > SALES QUANTITY?
STEP S54
Y
N
STEP S59
SEND SOLD-OUT NOTIFICATION MAIL
INCREMENT SALES QUANTITY IN DISCOUNT INFORMATION BY ONE
STEP S55
TURN ON RESERVATION SUCCESS/FAILURE FLAG IN RESERVATION INFORMATION
STEP S56
CREATE PURCHASE INFORMATION FROM RESERVATION INFORMATION
STEP S57
SEND PURCHASE CONFIRMATION MAIL
STEP S58
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (END)
END

FIG. 15

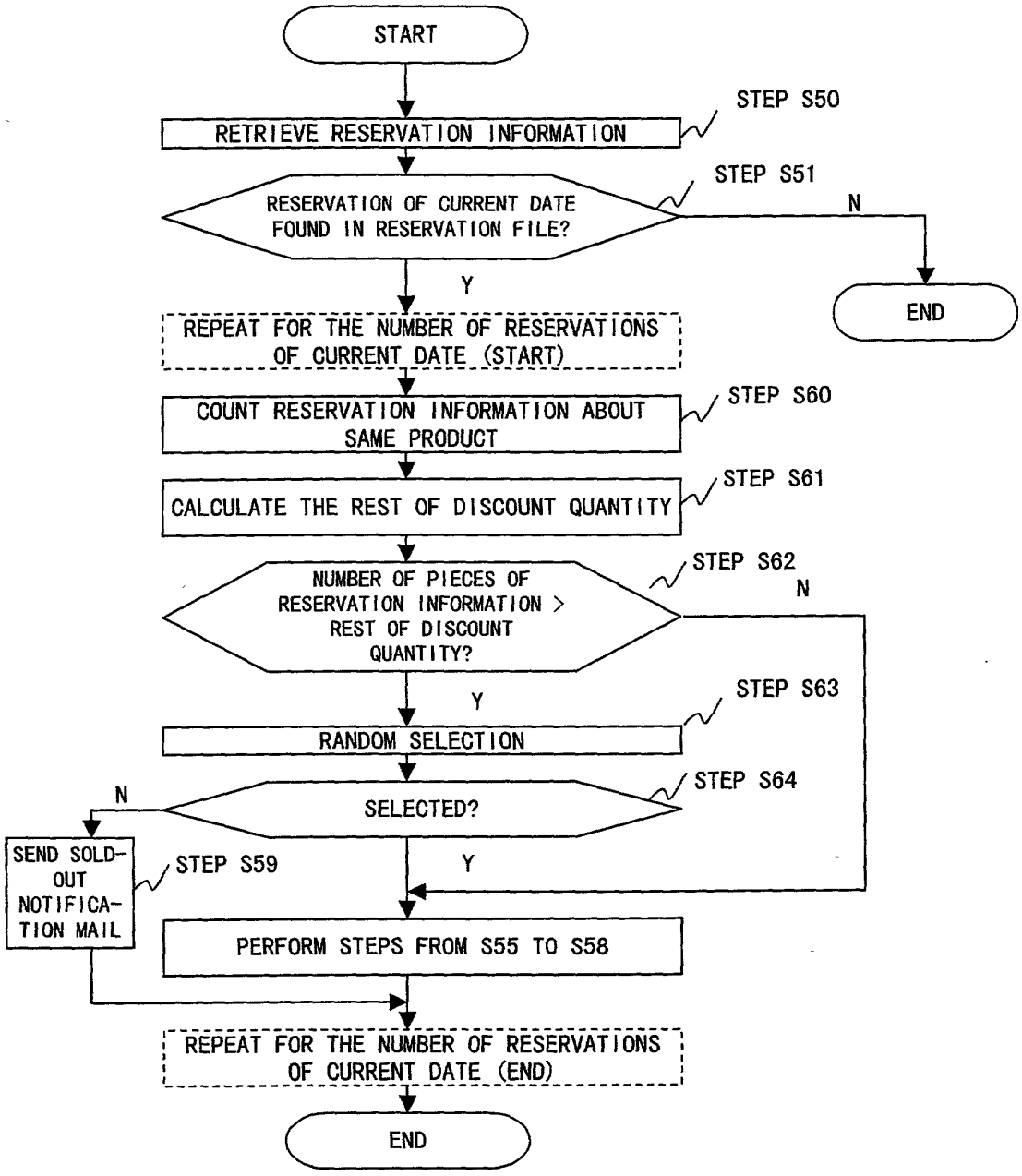

START
RETRIEVE RESERVATION INFORMATION
STEP S50
RESERVATION OF CURRENT DATE FOUND IN RESERVATION FILE?
STEP S51
N
END
Y
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (START)
COUNT RESERVATION INFORMATION ABOUT SAME PRODUCT
STEP S60
CALCULATE THE REST OF DISCOUNT QUANTITY
STEP S61
NUMBER OF PIECES OF RESERVATION INFORMATION > REST OF DISCOUNT QUANTITY?
STEP S62
N
Y
RANDOM SELECTION
STEP S63
SELECTED?
STEP S64
N
SEND SOLD-OUT NOTIFICATION MAIL
STEP S59
Y
PERFORM STEPS FROM S55 TO S58
REPEAT FOR THE NUMBER OF RESERVATIONS OF CURRENT DATE (END)
END

FIG. 16

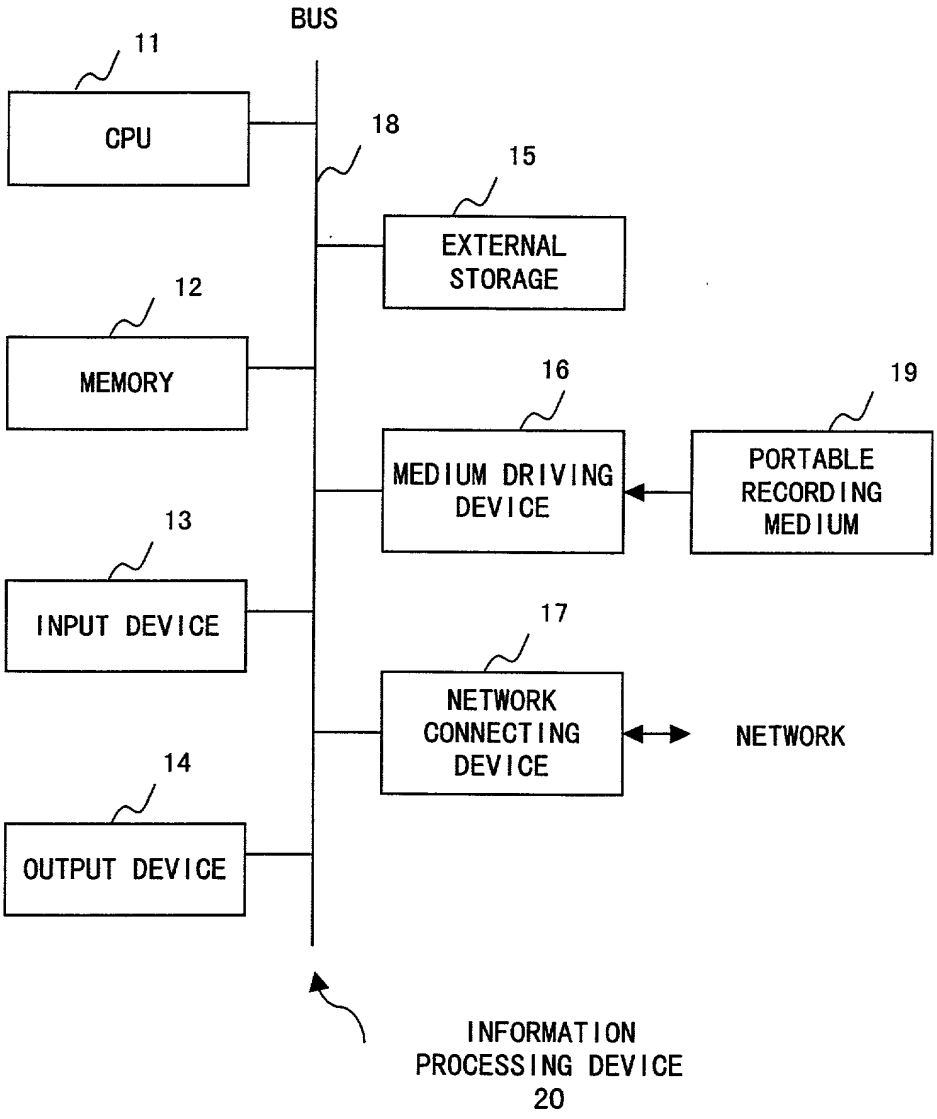

BUS
11
CPU
18
15
EXTERNAL STORAGE
12
MEMORY
16
19
MEDIUM DRIVING DEVICE
PORTABLE RECORDING MEDIUM
13
INPUT DEVICE
17
NETWORK CONNECTING DEVICE
NETWORK
14
OUTPUT DEVICE
INFORMATION PROCESSING DEVICE
20

FIG. 17

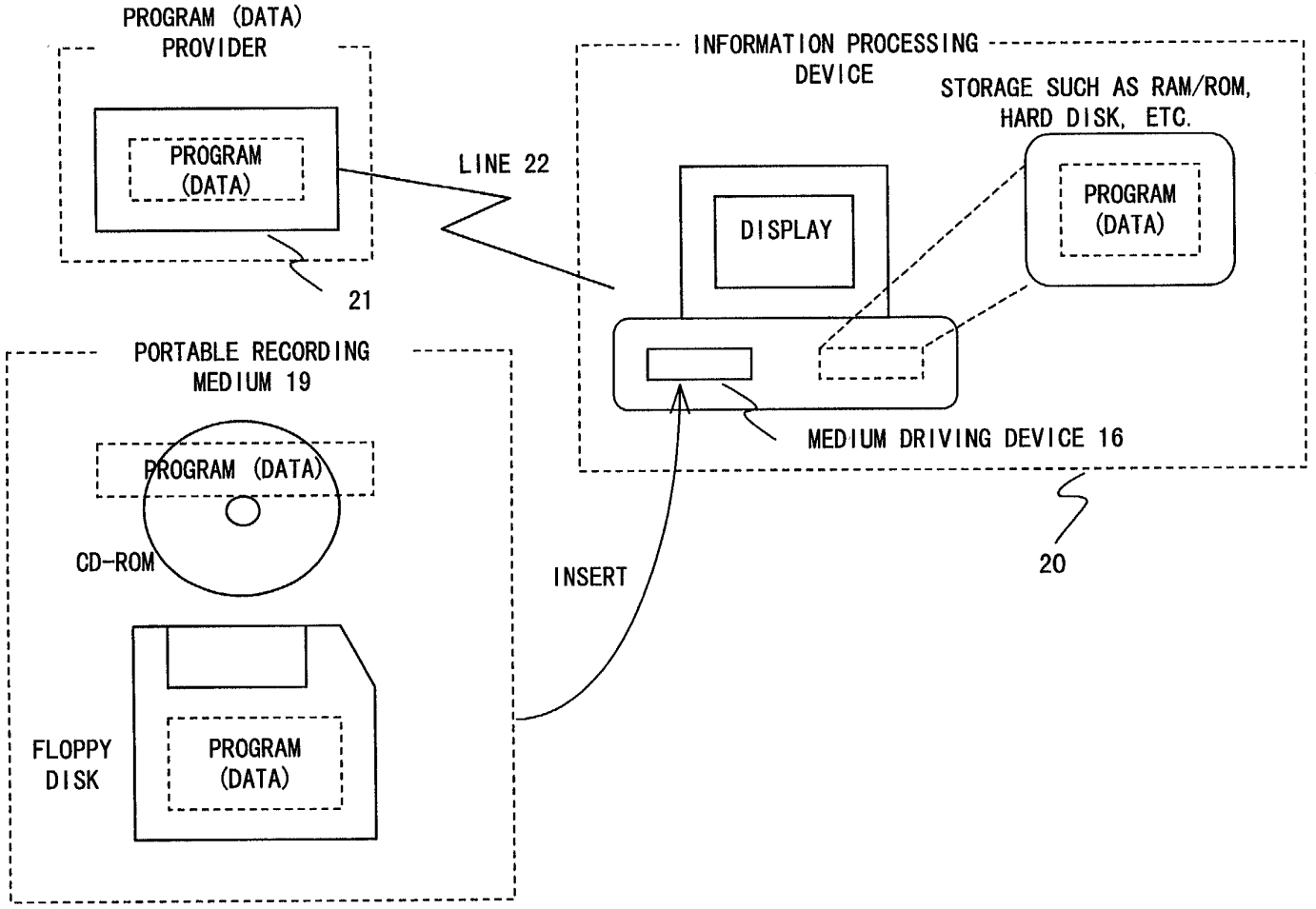

PROGRAM (DATA)
PROVIDER
PROGRAM
(DATA)
21
LINE 22
INFORMATION PROCESSING
DEVICE
STORAGE SUCH AS RAM/ROM,
HARD DISK, ETC.
DISPLAY
PROGRAM
(DATA)
PORTABLE RECORDING
MEDIUM 19
PROGRAM (DATA)
CD-ROM
INSERT
MEDIUM DRIVING DEVICE 16
20
FLOPPY
DISK
PROGRAM
(DATA)

FIG. 18